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Special points of interest:

- Plan to attend the Senior Member Upgrade Event
- Save the Date: Spring Event at Fiske Planetarium May 1, 2010

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From the Chair

Welcome to the first edition of *Mile High Spark*. I am excited to kick-off this newsletter and am pleased with the interest and participation we have had in our first issue.

2010 promises to be an exciting year for the IEEE Denver Section. Not only are we introducing our new newsletter, but we are also extending our methods of e-communications through the creation of our LinkedIn Group (IEEE Denver Section) as well as our presence on Facebook. We are also encouraging our Chapters and Affinity Groups to develop brief YouTube videos highlighting their organizations.

In the upcoming months please look for events from our Chapters, Affinity Groups, and the Section. There is a lot happening including a Senior Member upgrade event as well as a Section Spring Event at the Fisk Planetarium in Boulder. We are also planning PACE events for this fall including events on Sustainable Transportation as well as Entrepreneurship.

Lastly, if you are interested in participating at any level, whether it is getting more involved in the technical groups, participating in our government affairs organization, IEEE-USA, becoming an officer, promoting STEM education, or just helping out in the organization or planned events for the year, please let us know. We are available through our website, www.ieee-denver.org or you can contact me directly.

IEEE is *your organization* and there is a lot of room for volunteering at whatever capacity you are able to provide. It is also a great avenue for networking and professional development and during these challenging economic times, that is very important. We are here for you.

Rick Robinson

2010 Chair IEEE Denver Section


 Rick Robinson
rrobinson256@ieee.org

IEEE-Denver Leadership

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 Jim Look jim.look@ieee.org
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 Jim Jefferies jjefferies@ieee.org

IEEE-Denver Signal Processing Society

Next meeting:

Date: April 7, 2010

Time: 06:00PM to 08:30PM

Location:

Clarence M Knudson Hall, University of Denver

Room Number: 309

2390 S York St.

Denver, Colorado

United States 80208

Topic: 3DTV: The Tsunami About To Hit

The May meeting will be held on:

Date: Tues, May 18, 2010

Time: 06:00PM to 08:00PM

Location TBA

Signal Processing Society Distinguished Lecturer,

Prof. Charles Bouman from Purdue University

Title: Model Based Imaging: In Search of the

Free Lunch

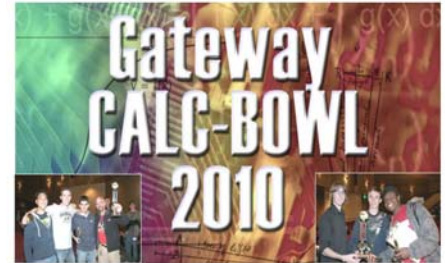
For additional meeting information, see the SPS section's website:

<http://ewh.ieee.org/r5/denver/sps/events.php>

and

<http://ewh.ieee.org/r5/denver/sps/calendar.php>

We request volunteers for the Calc-Bowl event on Apr 6.



Who: High School Calculus Students – AP Calculus, Community College, etc.

When: 6–9 p.m., Tuesday, April 6th, 2010

Where: Gateway High School Auditorium
1300 S. Sable Blvd, Aurora, CO 80017

What: Calc-Bowl is a lively math competition, a mathematical Jeopardy!

Specifics: 3-5 members per team; no limit per school; all members on a team from the same school; costumes encouraged!

Registration: <http://coyec.org>. Free! Register by: April 2, 2010.

For More Info, James.Schatzman@coyec.org
Contact: 303-873-9969



Refreshments for all,
Awards and prizes for top teams

Sponsored by Aurora Public Schools,
Northrop Grumman, IEEE, and Colorado Youth Education Connection



NORTHROP GRUMMAN



IEEE
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3DTV: The Tsunami

About To Hit

Join us for a look into just what 3DTV is, what technologies are in play, the nature of deployments underway and expected later this year, challenges that will be faced, and a look beyond 3DTV as it exists today, pondering where this all may lead.

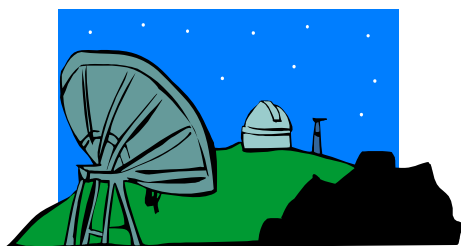
Jason Fritz
Chair, IEEE-Denver
Signal Processing Society
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Entertainment
Technology Center

Retro 3D is cool, but the next generation in **DIGITAL 3D** is better!
Come to ETC's **CONSUMER 3D EXPERIENCE LAB** to check it out.

Speaker: Chris Lennon of Harris Corporation
April meeting, IEEE-Denver Section Signal Processing Society



Spring Event

The IEEE Denver Section Spring Event
'Space Odyssey' at the CU Boulder Fiske Planetarium
Saturday, May 1st
Cvent and additional details coming soon...

IEEE-USA National Convention

Bob Faus and Jennifer Kramer attended the IEEE-USA National Convention held in Nashville, TN in early March. The Conference, named "The Gathering Storm, Are You Engineering the Solution?" stressed several problems that IEEE and we as professionals in the engineering field will face. Outreach and membership growth and development ideas were discussed as to what gets members motivated and involved, and how each section can better help their members. IEEE-USA is heavily involved in public policy, and even has full time staffers working in Washington D.C. to advocate for issues important to IEEE. They stressed the importance of immigration reform and STEM K-12 education if America is going to stay in the forefront

of technological development. Several sessions were also held on various aspects of IEEE including the consultants network, planning and organizing PACE events and planning and organizing S-PACs for students. Of the couple hundred people that attended, there were around 38 GOLD members (Graduates of the Last Decade). Overall, the conference was very thought-provoking, and offered a variety of different sessions on membership-related activities, personal growth opportunities (such as networking), research and development efforts in engineering and overall support of the IEEE.

Senior Member Upgrade

The grade of IEEE Senior Member is the highest for which application may be made and shall require experience reflecting professional maturity. IEEE Denver Section is holding a Senior Member Upgrade event on Tuesday, April 20th from 6:30 to 8:30 PM at the DeVry Institute in Westminster. Announcements for existing Senior Member volunteers to help will be going out shortly along with candidate signup.

Denver Section Active Societies

Microwave Theory & Techniques Society Michael D Janezic	Magnetics Society John M Moreland
Antennas and Propagation Society Michael D Janezic	Power Engineering Society Richard C Rew
GeoSci and Remote Sensing Society Michael D Janezic	Industrial Applications Society Richard C Rew
Computational Intelligence Society Vacant	Power Electronics Society Robert V White
Education Society Jody Paul	Photonics Society Diego Krapf
Electronic Devices Society Bart Van Zeghbroeck	Reliability Society Xijin Tian
Engineering in Medicine & Biology Society Randall Tagg	Signal Processing Society Jason P Fritz
Electromagnetic Compatibility Society Julie Duke	Solid State Circuits Society Bruce A Doyle
Information Theory Society Pankaj Goyal	Vehicular Technology Society Karthik Sundaresan
Computer Society Pankaj Goyal	Communication Society Karthik Sundaresan

Add value to your IEEE membership by joining one or more IEEE Societies. Benefits include access to current information, opportunities to network with peers, and enhancement of the worldwide value of your profession.

Magnetics Society and Engineering in Medicine & Biology Society

Announcing a presentation by Prof. Shoogo Ueno, an IEEE Distinguished Lecturer, jointly sponsored by the Magnetics Society and the Engineering in Medicine & Biology Society.

Date/Time: April 27, 2010 at 5:30 pm
Refreshments at 5:15 pm

Location: Bechtel Collaboratory
Discovery Learning Center (DLC), at CU
College of Engineering & Applied Science
SW Corner, Colorado Ave and Regent Drive
Boulder CO 80309

Topic: **Biomagnetics: An interdisciplinary field where magnetics, biology and medicine overlap**

This lecture focuses on the advances in biomagnetics and bioimaging obtained mostly in the laboratory in recent years. These new biomagnetic approaches will open new horizons in brain research, brain treatment, and regenerative medicine.

Shoogo Ueno received the B.S., M.S. and Ph.D. (Dr. Eng.) degrees in electronic engineering from Kyushu University, Fukuoka, Japan, in 1966, 1968, and 1972, respectively. Dr. Ueno was an associate professor with the Department of Electronics, Kyushu University, from 1976 to 1986.

From 1979 to 1981, he spent his sabbatical with the Department of Biomedical Engineering, Linköping University, Linköping, Sweden, as a guest scientist.

He subsequently served as a professor in the Department of Electronics, Kyushu University (1986-1994) and in the Department of Biomedical Engineering, Graduate School of Medicine, University of Tokyo (1994-2006).

In 2006 he retired from the University of Tokyo as professor emeritus. Since 2006 he has been a professor with the Department of Applied Quantum Physics, Graduate School of Engineering, Kyushu University, and is also dean of the Faculty of Medical Technology, Teikyo University, Fukuoka.

Dr. Ueno is a Fellow of the IEEE (2001) and of the American Institute for Medical and Biological Engineering (2001). He was an elected member of the IEEE Magnetics Society Administrative Committee (2004-2009). He was President of the Bioelectromagnetics Society (2003-2004).

Contact: Prof. Shoogo Ueno, Department of Applied Quantum Physics, Graduate School of Engineering, Kyushu University, 6-10-1 Hakozaki, Higashi-ku, Fukuoka, 812-8581 Japan; telephone: +81-92-642-7552; fax: +81-92-642-7525; e-mail: ueno@athena.ap.kyushu-u.ac.jp



Prof. Shoogo Ueno, an IEEE Distinguished Lecturer

John Moreland, Ph.D.
Chair, Magnetics Society
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IEEE Denver Section

Mission Statement

Enrich the professional and personal lives of the Rocky Mountain Region members, developing them into valued contributors to society through quality programs, continuing education, career development and community service; in collaboration with IEEE, industry, government and academia.



The IEEE Denver Section is comprised of over 3600 engineers and technical professionals in the following counties along the Front Range of the Rockies:

Clear Creek, Delta, Douglas, Eagle, Elbert, Jefferson, Mesa, Montrose, Pitkin, Summit, Washington, Yuma, and all counties north of said counties in Colorado, including the counties as listed in Wyoming, South Dakota, and Nebraska for the Black Hills and Centennial Subsections

<http://www.ieee-denver.org/>